

**CLAIM SUMMARY DOCUMENT**

Claims 1-15 (Currently canceled)

Claim 16 (New) A protein complex obtainable by subjecting  $\alpha$ -lactalbumin as found in non-human milk to ion exchange chromatography with an ion exchange material to obtain six fractions using an NaCl gradient, and recovering the first fraction as said protein complex, wherein the complex inhibits attachment of a bacteria selected from the group consisting of *S. pneumoniae* or *H. influenzae* to human respiratory tract epithelial cells when tested in vitro.

Claim 17 (New) A protein complex according to claim 16, wherein the non-human milk is bovine milk.

Claim 18 (New) A protein complex according to claim 16, wherein said protein complex comprises moieties of molecular weight 14-15kD, 30kD and/or 100kD.

Claim 19 (New) A pharmaceutical composition comprising a protein complex according to claim 16 in combination with a pharmaceutically acceptable carrier.

Claim 20 (New) The pharmaceutical composition according to claim 19, wherein said pharmaceutical composition is in the form of an oral or mucosal dosage unit.

Claim 21 (New) The pharmaceutical composition according to claim 19, wherein said pharmaceutical composition is in the form of an injectable composition.

Claim 22 (New) The pharmaceutical composition according to claim 19, wherein said pharmaceutical composition is in the form of a topical composition.

Claim 23 (New) A method of therapeutically treating a bacterial infection, which method comprises applying to said infection a protein complex according to claim 16, in an amount effective to treat said infection.

Claim 24 (New) The method according to claim 23, wherein the bacterial infection is in the respiratory tract.

Claim 25 (New) the method according to claim 23, wherein the bacterial infection is caused by *S. pneumoniae* and/or *H. influenzae*.

Claim 26 (New) A food or feed-stuff comprising a protein complex according to claim 16.

Claim 27 (New) A method of prophylactically treating a bacterial infection, which method comprises applying to said infection a protein complex according to claim 16, in an amount effective to treat said infection.

Claim 28 (New) Claim 24 (New) The method according to claim 27, wherein the bacterial infection is in the respiratory tract.

Claim 29 (New) the method according to claim 27, wherein the bacterial infection is caused by *S. pneumoniae* and/or *H. influenzae*.